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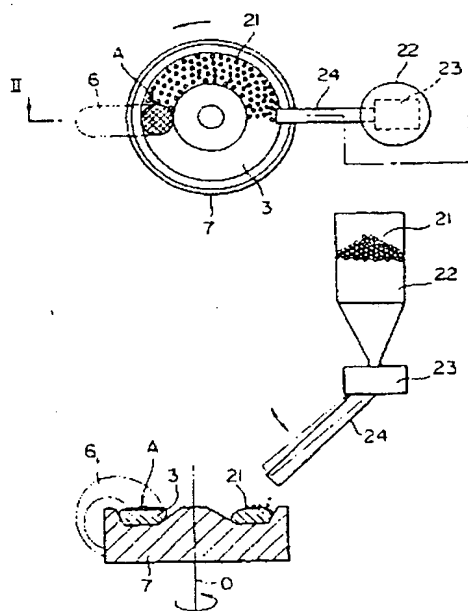
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TITLE : METHOD AND APPARATUS FOR
PRODUCING LUMPED BODY OF
MATERIAL FOR VAPOR DEPOSITION



ABSTRACT : PURPOSE: To efficiently produce the lumped body of a material for vapor deposition which has internally no cavities and has a uniform shape in a short period of time by shifting the melting part of the material for vapor deposition continuously on an annular locus and supplying the granular material for vapor deposition in the position apart therefrom.

CONSTITUTION: The material 3 for vapor deposition in a crucible 7 in a vacuum is melted by projecting an electron beam 6 thereto. The crucible 7 is rotated in arrow direction to repeatedly draw the annular locus so that the melting part A is continuously shifted. The material 3 for vapor deposition is thus continuously fused and the continuous lumped body is obtd. The granular material 21 for vapor deposition housed in a storage hopper 22 is supplied to the position apart from the melting part A at the present point of the time on the above-mentioned locus and is charged into the prescribed position in the crucible 7 via a feeding device 23 and a charging chute 24, by which the lumped body is formed in the above-mentioned method for producing the lumped body of the material 3 for vapor deposition. Vapor deposition is executed by using the lumped body of the material for vapor deposition which has no internal cavities, has the uniform shape and is obtd. in such a manner, by which the vapor deposited film having the uniform and good quality is stably formed.

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